

VALUE ENGINEERING CHANGE PROPOSAL  
MISSOURI DEPARTMENT OF TRANSPORTATION

☒ Conceptual Proposal      ☐ Final Proposal

Date 10-02-09

Contract ID 090123-501

Job No. J5P0347A

County Camden Route 54

Original Bid Cost 14,869,173.31

Contractor Dave Kolb Grading, Inc.

By Brian Van Cardo

Designed By Brian Van Cardo

Phone 314-575-8296

VECP# 09-82 (to be completed by C.O.)

VECP ☐ or PDVECP ☒

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

Overlay existing Jeffries Rd. from STA 22+90 - 17+50 in lieu of full depth removal and replacement. Modify stage construction to show by-pass construction tying to proposed Jeffries Rd. at STA 17+50 in lieu of loop ramp. By-pass to be placed at approximately 185+00 on mainline. Modified phased construction will support grading operations delayed due to delays in utility relocation. Eliminate asphalt paving of loop ramp for phased construction.

2. Estimate of reduction in construction costs. \$104,000.00

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

N/A

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

N/A

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

10-15-09

(date)

Disruption in construction sequence and staging

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

N/A

(date and/or dates)

Additional Comments:

**\*\* Portion Below This Line To Be Filled Out by MoDOT \*\***

**Comments:**

Jefferies Rd (Lk. Rd. 54-37) currently is designed with a 4" Type 1 aggregate base, 9 1/4" Bituminous Base, and 1 3/4" Bituminous Pavement. The existing pavement could be cored to determine the potential of the in-place structure. Another portion of the savings shown in this proposal includes eliminating the asphalt to be placed on Loop Ramp 4 but it will still have to be placed on the next contract. This could provide an overall advantage of time and monetary savings. I recommend approval of this concept.

Joshua D. Kincaid Asst. R.E.  
Submitted By Resident Engineer

10/06/09  
Date

**Comments:**

Given that the in-place pavement on Jeffries is found to be structurally sound, this proposed VE concept has merit at the PDVE split of 25/75. Details and a breakdown of actual cost savings will need to be provided prior to implementation.

☒ Approval  
Recommended  
  
☐ Rejection  
Recommended

Roger Schwarze  
District Engineer

10/7/09  
Date

**Comments:**

☐ Approval  
Recommended  
  
☐ Rejection  
Recommended

N/A  
Federal Highway Administration  
Required for FHWA Full Oversight Projects

Date

**Comments:**

PDVECP w/ 25/75 split.

☒ Approval  
  
☐ Rejection

David D. Adams

State Construction and Materials Engineer BAW

10-8-09  
Date

Distribution: Resident Engineer, Project Manager, District Construction & Materials Engineer, State Construction & Materials Engineer, FHWA Value Engineering Administrator - MoDOT, P. O. Box 270, Jefferson City, MO 65102

# VALUE ENGINEERING CHECK SHEET

## *TYPE OF WORK*

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. \_\_\_\_\_

## *SUMMARY OF PROPOSAL*

(If needed, condense summary to a couple of lines)

This is a Practical Design Value Engineering Proposal that utilizes in place pavement in lieu of the remove and replace as set up in the contract.

## *SCANNING OF DOCUMENT*

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

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